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Application Brief

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# **OPTIMIZING SCANNING PERFORMANCE IN INDUSTRIAL ENVIRONMENTS**

Honeywell Granit™ Ultra

**Honeywell**



## **POWERFUL SCANNING SOLUTIONS FOR DEMANDING CONDITIONS**

In today's fast-paced distribution centers, warehouses, and manufacturing environments, barcode scanning plays a vital role in maintaining workflow productivity. These rugged settings require solutions that marry flexibility with reliability. Enter the Honeywell Granit Ultra series - crafted to deliver ultra scan performance, ultra durability, and ultra ease of use for premium productivity in even the most challenging scanning applications. This versatile family of scanners includes both corded and cordless models, as well as variations to accommodate different scan ranges, including Standard Range (SR), Expanded Range (XR), Ultra Extreme Long Range (XLR), and High Density (HD).

## **THE CHALLENGES OF MODERN OPERATIONS**

Barcode scanning is ubiquitous in manufacturing, distribution and

fulfilment centers. However, the rapidly evolving workflows often put a strain on handheld devices, resulting in increased maintenance costs and decreased reliability. Faced with damaged barcodes or poorly printed labels, workers can find their scanning efficiency compromised, leading to extended scanning times and cumbersome manual data entry, which is both time-consuming and fraught with potential errors.

Additionally, the complexities of warehouse environments present their own set of challenges. Poor visibility, the necessity of cold storage solutions, and high-stacked inventory create obstacles that can hinder operational flow. Traditionally, operators have compensated for these challenges by utilizing multiple devices tailored for different scan ranges, environments, and use cases. Yet, this approach adds layers of management complexity and makes it more difficult for IT teams to ensure that all devices are equipped with updated software for optimal security and functionality.

## **A COMPREHENSIVE SOLUTION**

The Granit Ultra series revolutionizes operations by allowing businesses to streamline their processes, standardizing on a single, powerful product line that maintains both accuracy and scanning range. Each ultra-rugged scanner is meticulously designed for endurance and longevity, making it ideal for the wear and tear that accompanies daily use in bustling operations.

Equipped with advanced scanning capabilities, the Granit Ultra series empowers your workforce to capture data efficiently, whether from near or far. The SR model enables users to scan barcodes from immediate contact up to arm's length, while the XR solutions expand these capabilities even further up to 33' (10.85m) for 100mil Code 39, helping employees save valuable time as they navigate the warehouse and reducing unnecessary movements (stooping, bending, or walking) to read inventory at working distances.

## BUILT ON INNOVATION

The Granit Ultra series embodies innovation, pushing the boundaries of what rugged handheld scanners can achieve. Granit Ultra integrates high speed processing, AI algorithms, and decoding enhancements to result in an average 45% scanning speed increase vs. Granit XP\*, enabling improved productivity. This new imaging technology further helps operators read even low-quality or damaged barcode symbols quickly and accurately.

## DURABILITY YOU CAN TRUST

Designed to withstand the harsh realities of warehouse and distribution environments, the Granit Ultra scanners are tested for resilience. These scanners can survive repeated drops from a height of 3 meters (10 feet) and endure up to 7,500 tumbles from a height of 1 meter. The design features a small, deeply recessed scan window, which not only protects against scratches and impacts, but also ensures functionality and the maintenance of their IP65/IP68 sealing even in the most challenging conditions. Expertly engineered, these devices are

built to withstand extreme temperatures, moisture and dust, making them ideal for industrial use. Honeywell's rigorous specifications for scanner cables (including 500k cycle weighted flex, and even deep freezer specific versions tested to 300K flexes at a frigid -30C/-22F) ensure that every link in the data chain delivers exceptional reliability.

## USER-CENTRIC ERGONOMICS

In an age where workforce turnover is high and rapid onboarding is often a necessity, the Granit Ultra series boasts an ergonomic design that prioritizes comfort and usability. With intuitive user interfaces, workers can swiftly adapt to operations, significantly minimizing the time and training required for effective device utilization.

The all-new charge and communication base is loaded with features to simplify common tasks. Easy drop-in charging makes scanner placement in the cradle fast and efficient for flat work surfaces; engaging the latching mechanisms helps ensure secure retention for vertical or vehicle mounting

## EMPOWERING YOUR FUTURE

Honeywell understands the ever-evolving landscape of warehouse and distribution operations and recognizes the importance of technology that can adapt to new challenges while simultaneously improving employee productivity. We are committed to partnering with you to implement solutions that will bolster your operational success.

\* Honeywell standard benchmarking testing conducted on Granit Ultra SR and XR models vs. Granit XP on 6 collections of reference barcodes.

# Explore how Honeywell can help you elevate productivity and efficiency with the Granit Ultra series today.

### For more information

[automation.honeywell.com](https://automation.honeywell.com)

### Honeywell Industrial Automation

855 South Mint Street

Charlotte, NC 28202

800-582-4263

[www.honeywell.com](https://www.honeywell.com)